APPENDIX C

AIR QUALITY

URBEMIS 2001 Modeling Results

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase B Operational

Project Name: Project Location:

Lower Sacramento Valley Air Basin

SUMMARY REPORT (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES TOTALS(lbs/day,unmitigated)	ROG 0.05	NOx 0.63	0.25	PM10 0.00	SO2 0.00
OPERATIONAL (VEHICLE) EMISSION	ESTIMATES ROG	NOx	co	PM10	SO2
TOTALS (ppd, unmitigated)	6.60	6.30	62.40	3.43	0.02

Operational Emissions

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase B Operational

Project Name: Project Location:

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	35
Wood Stoves - No summer emiss	ions				
Fireplaces - No summer emissi	ons				
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00	12	-	- n.5	5.5 00-53
TOTALS (lbs/day, unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions

UNMITTIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	8.02	4.06	68.00	3.43	0.03
TOTAL EMISSIONS (lbs/day)	8.02	4.06	68.00	3.43	0.03

Includes correction for passby trips.
Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Trip Rate Size Total Trips Unit Type Government office building 8.03 trips / 1000 sq. ft. 95.00 762.85

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lb	s 9.60	11.00	88.90	0.10
Light Truck 3,751- 5,75	0 16.70	1.80	97.60	0.60
Med Truck 5,751-8,50		12.50	79.20	8.30
Lite-Heavy 8,501-10,00		18.20	72.70	9.10
Lite-Heavy 10,001-14,00		0.00	66.70	33.30
Med-Heavy 14,001-33,00		9.10	27.30	63.60
Heavy-Heavy 33,001-60,00		0.00	0.00	100.00
Line Haul > 60,000 lb		0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

		Residentia			Commercia:	L
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)		7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			
0 50 50 50 5						
% of Trips - Commercial (Government office building		use)		10.0	5.0	85.

Operational Emissions

Changes made to the default values for Area

The wood stove option switch changed from on to off.

The fireplease option switch changed from on to off.

The consumer products option switch changed from on to off.

The area souce mitigation measure option switch changed from on to off.

The landscape year changed from 2002 to 2010.

Changes made to the default values for Operations

The double counting option switch changed from off to on.

The mitigation option switch changed from on to off.

The light auto percentage changed from 61.4 to 61.5.

The light truck < 3750 lbs percentage changed from 9.3 to 9.6.

The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.8.

The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.2.

The motorcycle percentage changed from 1.4 to 1.6.

The motorhome percentage changed from 0.7 to 0.1.

The operational emission year changed from 2002 to 2010.

The operational winter temperature changed from 40 to 50.

The operational summer temperature changed from 85 to 95.

The operational summer selection item changed from 7 to 8.

The travel mode environment settings changed from both to: non-residential

The default/nodefault travel setting changed from nodefault to: nodefault

Side Walks/Paths: No Sidewalks

changed to: Side Walks/Paths: Most Destinations Covered

Street Trees Provide Shade: No Coverage

changed to: Street Trees Provide Shade: Some Coverage

Pedestrian Circulation Access: No Destinations

changed to: Pedestrian Circulation Access: Few Destinations

Visually Interesting Uses: No Uses Within Walking Distance

changed to: Visually Interesting Uses: Moderate Number and Variety

Street System Enhances Safety: No Streets

changed to: Street System Enhances Safety: Few Streets

Pedestrian Safety from Crime: No Degree of Safety

changed to: Pedestrian Safety from Crime: Moderate Degree of Safety

Visually Interesting Walking Routes: No Visual Interest

changed to: Visually Interesting Walking Routes: Minor Level

Transit Service: Dial-A-Ride or No Transit Service

changed to: Transit Service: >60 Minute Bus within 1/4 Mile

Interconnected Bikeways: No Bikeway Coverage

changed to: Interconnected Bikeways: Low Coverage

Bike Routes Provide Paved Shoulders: No Routes

changed to: Bike Routes Provide Paved Shoulders: Few Routes

Safe Vehicle Speed Limits: No Routes Provided

changed to: Safe Vehicle Speed Limits: Few Destinations

Uses w/in Cycling Distance: No Uses w/in Cycling Distance

changed to: Uses w/in Cycling Distance: Moderate Number and Variety

Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1

has been changed from off to on.

Mitigation measure Provide Street Lighting: 0.5

has been changed from off to on.

Mitigation measure Project Provides Shade Trees to Shade Sidewalks:0.5

has been changed from off to on.

Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System: 2

has been changed from off to on.

Mitigation measuremitop5: Park and Ride Lots

has been changed from on to off.

Operational Emissions

Page: 1

URBEMIS 2001 For Windows 6.2.1

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase B Operational

Project Name: Project Location:

Lower Sacramento Valley Air Basin

SUMMARY REPORT (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

ROG NOX CO PM10 SO2

TOTALS(lbs/day,unmitigated) 0.05 0.63 0.25 0.00 0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES
ROG NOX CO PM10 SO2
TOTALS (ppd, unmitigated) 3.90 3.95 44.41 3.42 0.02

Operational Emissions

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase B Operational

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	17
Wood Stoves - No summer emiss	ions				
Fireplaces - No summer emissi	ons				
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00		-	-	-
TOTALS(lbs/day,unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	4.94	2.48	48.78	3.42	0.03
TOTAL EMISSIONS (lbs/day)	4.94	2.48	48.78	3.42	0.03

Includes correction for passby trips.
Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Government office building	8.03 trips / 1000 sq. ft.	95.00	762.85

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lb		11.00	88.90	0.10
Light Truck 3,751- 5,75	70	1.80	97.60	0.60
Med Truck 5,751-8,50		12.50	79.20	8.30
Lite-Heavy 8,501-10,00	(f)	18.20	72.70	9.10
Lite-Heavy 10,001-14,00		0.00	66.70	33.30
Med-Heavy 14,001-33,00		9.10	27.30	63.60
Heavy-Heavy 33,001-60,00		0.00	0.00	100.00
Line Haul > 60,000 lb		0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

Travel Conditions		Residentia	1		Commercia:	L
ann ar prein fean i Margelland — stocker dad i 🛦 na ngan Newsonow.	Home- Work	Home- Shop	Home- Other	Commute 7.8	Non-Work	Customer 4.5
Urban Trip Length (miles)	9.7	3.8	4.6			
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5			
% of Trips - Commercial (hy land	use)				
Government office building		THE STATE OF		10.0	5.0	85.0

Operational Emissions

Changes made to the default values for Area

The wood stove option switch changed from on to off. The fireplease option switch changed from on to off. The consumer products option switch changed from on to off. The area souce mitigation measure option switch changed from on to off. The landscape year changed from 2002 to 2020. Changes made to the default values for Operations

The double counting option switch changed from off to on. The mitigation option switch changed from on to off. The light auto percentage changed from 61.4 to 61.5. The light truck < 3750 lbs percentage changed from 9.3 to 9.6. The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.8. The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.2. The motorcycle percentage changed from 1.4 to 1.6.

The motorhome percentage changed from 0.7 to 0.1. The operational emission year changed from 2002 to 2020.

The operational winter temperature changed from 40 to 50. The operational summer temperature changed from 85 to 95. The operational summer selection item changed from 7 to 8.

The travel mode environment settings changed from both to: non-residential The default/nodefault travel setting changed from nodefault to: nodefault

Side Walks/Paths: No Sidewalks

changed to: Side Walks/Paths: Most Destinations Covered

Street Trees Provide Shade: No Coverage

changed to: Street Trees Provide Shade: Some Coverage

Pedestrian Circulation Access: No Destinations

changed to: Pedestrian Circulation Access: Few Destinations

Visually Interesting Uses: No Uses Within Walking Distance changed to: Visually Interesting Uses: Moderate Number and Variety

Street System Enhances Safety: No Streets changed to: Street System Enhances Safety: Few Streets

Pedestrian Safety from Crime: No Degree of Safety

changed to: Pedestrian Safety from Crime: Moderate Degree of Safety

Visually Interesting Walking Routes: No Visual Interest

changed to: Visually Interesting Walking Routes: Minor Level

Transit Service: Dial-A-Ride or No Transit Service

changed to: Transit Service: >60 Minute Bus within 1/4 Mile

Interconnected Bikeways: No Bikeway Coverage changed to: Interconnected Bikeways: Low Coverage

Bike Routes Provide Paved Shoulders: No Routes

changed to: Bike Routes Provide Paved Shoulders: Few Routes

Safe Vehicle Speed Limits: No Routes Provided

changed to: Safe Vehicle Speed Limits: Few Destinations

Uses w/in Cycling Distance: No Uses w/in Cycling Distance changed to: Uses w/in Cycling Distance: Moderate Number and Variety

Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1 has been changed from off to on.

Mitigation measure Provide Street Lighting:0.5

has been changed from off to on.

Mitigation measure Project Provides Shade Trees to Shade Sidewalks:0.5

has been changed from off to on.

Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System: 2

has been changed from off to on. Mitigation measuremitop5: Park and Ride Lots

has been changed from on to off.

Operational Emissions

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

Project Name:

DeWitt Phase C Operational

Project Location:

Lower Sacramento Valley Air Basin

SUMMARY REPORT

(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

ROG NOX CO PM10 SO2 TOTALS(lbs/day,unmitigated) 0.05 0.63 0.25 0.00 0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

ROG NOX CO PM10 SO2 TOTALS (ppd, unmitigated) 2.24 2.10 20.75 1.14 0.01

Operational Emissions

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase C Operational

Project Name: Project Location:

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	-
Wood Stoves - No summer emissi	ons				
Fireplaces - No summer emission	ons				
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00	-	2	-	-
TOTALS(lbs/day,unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	4.20	1.35	22.61	1.14	0.01
TOTAL EMISSIONS (lbs/day)	4.20	1.35	22.61	1.14	0.01

Includes correction for passby trips.
Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Government office building	2.67 trips / 1000 sq. ft.	95.00	253.65

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lbs	9.60	11.00	88.90	0.10
Light Truck 3,751- 5,750		1.80	97.60	0.60
Med Truck 5,751- 8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000		18.20	72.70	9.10
Lite-Heavy 10,001-14,000		0.00	66.70	33.30
Med-Heavy 14,001-33,000		9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.20	0.00	0.00	100.00
Line Haul > 60,000 lbs		0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

Travel Conditions

Traver Conditions	3	Residential			Commercial		
	Home- Work	Home- Shop	Home- Other	Commute	Non-Work	Customer	
Urban Trip Length (miles)	9.7	3.8	4.6	7.8	4.5	4.5	
Rural Trip Length (miles)		7.1	7.9	14.7	6.6	6.6	
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0	
% of Trips - Residential	27.3	21.2	51,5				
% of Trips - Commercial (hv land	use)					
Government office building	distant contract of the contra			10.0	5.0	85.0	

Operational Emissions

Changes made to the default values for Area The wood stove option switch changed from on to off. The fireplease option switch changed from on to off. The area souce mitigation measure option switch changed from on to off. The landscape year changed from 2002 to 2010. Changes made to the default values for Operations The double counting option switch changed from off to on. The mitigation option switch changed from on to off. The light auto percentage changed from 61.4 to 61.5. The light truck < 3750 lbs percentage changed from 9.3 to 9.6. The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.8. The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.2. The motorcycle percentage changed from 1.4 to 1.6. The motorhome percentage changed from 0.7 to 0.1. The operational emission year changed from 2002 to 2010. The operational winter temperature changed from 40 to 50. The operational summer temperature changed from 85 to 95. The operational summer selection item changed from 7 to 8. The travel mode environment settings changed from both to: non-residential The default/nodefault travel setting changed from nodefault to: nodefault Side Walks/Paths: No Sidewalks changed to: Side Walks/Paths: Most Destinations Covered Street Trees Provide Shade: No Coverage changed to: Street Trees Provide Shade: Some Coverage Pedestrian Circulation Access: No Destinations changed to: Pedestrian Circulation Access: Few Destinations Visually Interesting Uses: No Uses Within Walking Distance changed to: Visually Interesting Uses: Moderate Number and Variety Street System Enhances Safety: No Streets changed to: Street System Enhances Safety: Few Streets Pedestrian Safety from Crime: No Degree of Safety changed to: Pedestrian Safety from Crime: Moderate Degree of Safety Visually Interesting Walking Routes: No Visual Interest changed to: Visually Interesting Walking Routes: Minor Level Transit Service: Dial-A-Ride or No Transit Service changed to: Transit Service: >60 Minute Bus within 1/4 Mile Interconnected Bikeways: No Bikeway Coverage changed to: Interconnected Bikeways: Low Coverage Bike Routes Provide Paved Shoulders: No Routes changed to: Bike Routes Provide Paved Shoulders: Few Routes Safe Vehicle Speed Limits: No Routes Provided changed to: Safe Vehicle Speed Limits: Few Destinations Uses w/in Cycling Distance: No Uses w/in Cycling Distance changed to: Uses w/in Cycling Distance: Moderate Number and Variety Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1 has been changed from off to on. Mitigation measure Provide Street Lighting: 0.5 has been changed from off to on. Mitigation measure Project Provides Shade Trees to Shade Sidewalks:0.5

Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System:2

Operational Emissions

Phase C, 2010

has been changed from off to on.

has been changed from off to on.
Mitigation measuremitop5: Park and Ride Lots
has been changed from on to off.

Page: 1

URBEMIS 2001 For Windows 6.2.1

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase C Operational

Project Name: Project Location:

Lower Sacramento Valley Air Basin

SUMMARY REPORT (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES

ROG NOX CO PM10 SO2

TOTALS(lbs/day,unmitigated) 0.05 0.63 0.25 0.00 0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

ROG NOX CO PM10 SO2 TOTALS (ppd, unmitigated) 1.35 1.32 14.82 1.14 0.01

Operational Emissions

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

Project Name:

DeWitt Phase C Operational

Project Location:

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.05	0.63	0.25	0.00	-
Wood Stoves - No summer emiss	ions				
Fireplaces - No summer emissi	ons				
Landscaping	0.03	0.01	0.28	0.00	0.00
Consumer Prdcts	0.00	-	2	2	1
TOTALS(lbs/day,unmitigated)	0.08	0.64	0.53	0.00	0.00

Operational Emissions

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Government office building	2.69	0.83	16.28	1.14	0.01
TOTAL EMISSIONS (lbs/day)	2.69	0.83	16.28	1.14	0.01

Includes correction for passby trips.
Includes a double counting reduction for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Goverment office building	2.68 trips / 1000 sq. ft.	95.00	254.60

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	61.50	4.70	94.50	0.80
Light Truck < 3,750 lk		11.00	88.90	0.10
Light Truck 3,751- 5,75	TT:	1.80	97.60	0.60
Med Truck 5,751-8,50		12.50	79.20	8.30
Lite-Heavy 8,501-10,00		18.20	72.70	9.10
Lite-Heavy 10,001-14,00		0.00	66.70	33.30
Med-Heavy 14,001-33,00		9.10	27.30	63.60
Heavy-Heavy 33,001-60,00		0.00	0.00	100.00
Line Haul > 60,000 11		0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	1.60	90.90	9.10	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	0.10	0.00	100.00	0.00

	W 3 F 4 F 4 4 4
Travel	Conditions

IIdveI comazorono	Residential			Commercial		
Urban Trip Length (miles) Rural Trip Length (miles) Trip Speeds (mph) % of Trips - Residential	16.8 35.0	Home- Shop 3.8 7.1 35.0 21.2	Home- Other 4.6 7.9 35.0 51.5	7.8 14.7 35.0	Non-Work 4.5 6.6 35.0	Customer 4.5 6.6 35.0
% of Trips - Commercial (Government office building		use)		10.0	5.0	85.0

Operational Emissions

Changes made to the default values for Area

The wood stove option switch changed from on to off. The fireplease option switch changed from on to off.

The area souce mitigation measure option switch changed from on to off.

The landscape year changed from 2002 to 2020.

Changes made to the default values for Operations

The double counting option switch changed from off to on.

The mitigation option switch changed from on to off.

The light auto percentage changed from 61.4 to 61.5.

The light truck < 3750 lbs percentage changed from 9.3 to 9.6.

The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0.8.

The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0.2.

The motorcycle percentage changed from 1.4 to 1.6.

The motorhome percentage changed from 0.7 to 0.1.

The operational emission year changed from 2002 to 2020.

The operational winter temperature changed from 40 to 50.

The operational summer temperature changed from 85 to 95.

The operational summer selection item changed from 7 to 8.

The travel mode environment settings changed from both to: non-residential

The default/nodefault travel setting changed from nodefault to: nodefault

Side Walks/Paths: No Sidewalks

changed to: Side Walks/Paths: Most Destinations Covered

Street Trees Provide Shade: No Coverage

changed to: Street Trees Provide Shade: Some Coverage

Pedestrian Circulation Access: No Destinations

changed to: Pedestrian Circulation Access: Few Destinations

Visually Interesting Uses: No Uses Within Walking Distance

changed to: Visually Interesting Uses: Moderate Number and Variety

Street System Enhances Safety: No Streets

changed to: Street System Enhances Safety: Few Streets

Pedestrian Safety from Crime: No Degree of Safety

changed to: Pedestrian Safety from Crime: Moderate Degree of Safety

Visually Interesting Walking Routes: No Visual Interest

changed to: Visually Interesting Walking Routes: Minor Level

Transit Service: Dial-A-Ride or No Transit Service

changed to: Transit Service: >60 Minute Bus within 1/4 Mile

Interconnected Bikeways: No Bikeway Coverage

changed to: Interconnected Bikeways: Low Coverage

Bike Routes Provide Paved Shoulders: No Routes

changed to: Bike Routes Provide Paved Shoulders: Few Routes

Safe Vehicle Speed Limits: No Routes Provided

changed to: Safe Vehicle Speed Limits: Few Destinations

Uses w/in Cycling Distance: No Uses w/in Cycling Distance

changed to: Uses w/in Cycling Distance: Moderate Number and Variety

Mitigation measure Provide Wide Sidewalks and Onsite Pedestrian Facilities:1

has been changed from off to on.

Mitigation measure Provide Street Lighting:0.5

has been changed from off to on.

Mitigation measure Project Provides Shade Trees to Shade Sidewalks: 0.5

has been changed from off to on.

Mitigation measure Provide Bike Lanes/Paths Connecting to Bikeway System: 2

has been changed from off to on.

Mitigation measuremitop5: Park and Ride Lots

has been changed from on to off.

Operational Emissions

Page: 1

URBEMIS 2001 For Windows 6.2.1

File Name: Project Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase D Operational

Project Location:

Lower Sacramento Valley Air Basin

SUMMARY REPORT (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES SO2 CO PM10 ROG NOx 0.00 0.00 0.11 0.51 0.26 TOTALS(lbs/day,unmitigated) OPERATIONAL (VEHICLE) EMISSION ESTIMATES SO2 CO PM10 ROG NOx 0.01 1.60 16.86 1.02 TOTALS (ppd, unmitigated) 1.62

Operational Emissions

Phase D, 2010

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase D Operational

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.02	0.26	0.11	0.00	-
Wood Stoves - No summer emiss	ions				
Fireplaces - No summer emissi					
Landscaping	0.13	0.02	1.10	0.00	0.00
Consumer Prdcts	0.49	-	-	-	-
TOTALS(lbs/day,unmitigated)	0.63	0.28	1.21	0.00	0.00

Operational Emissions

Phase D, 2010

UNMITIGATED OPERATIONAL EMISSIONS

-	ROG	NOx	CO	PM1.0	SO2
Condo/townhouse general	0.93	0.47	9.30	0.49	0.00
Elementary school	0.56	0.25	4.83	0.26	0.00
Blank (Edit all 5 columns	0.60	0.20	3.79	0.20	0.00
Goverment office building	0.30	0.07	1.29	0.07	0.00
TOTAL EMISSIONS (1bs/day)	2.39	0.99	19.21	1.02	0.01

Does not include correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2010 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Condo/townhouse general	7.00 trips / dwelling units	10.00	70.00
Elementary school	5.25 trips / 1000 sq. ft.	8.00	42.00
Blank (Edit all 5 columns	3.00 trips / 1000 sq. ft.	12,50	37.50
Government office building	1.50 trips / 1000 sq. ft.	8.00	12.00

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	62.20	4.70	94.50	0.80
Light Truck < 3,750 lbs	11.00	11.00	88.90	0.10
Light Truck 3,751- 5,750	18.00	1.80	97.60	0.60
Med Truck 5,751-8,500	7.20	12.50	79.20	8.30
Lite-Heavy 8,501-10,000	1.10	18.20	72.70	9.10
Lite-Heavy 10,001-14,000	0.00	0.00	66.70	33.30
Med-Heavy 14,001-33,000	0.00	9.10	27.30	63.60
Heavy-Heavy 33,001-60,000	0.00	0.00	0.00	100.00
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.00	0.00	0.00	100.00
Motorcycle	0.50	90.90	9.10	0.00
School Bus	0.00	0.00	0.00	100.00
Motor Home	0.00	0.00	100.00	0.00

Travel Conditions

		Residentia.	1.		Commercia	1
	Home-	Home-	Home-			
	Work	Shop	Other	Commute	Non-Work	Customer
Urban Trip Length (miles)		3.8	4.6	7.8	4.5	4.5
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	27.3	21.2	51.5		55.0	00.0
# #20164164 FEE 10 16 16						
% of Trips - Commercial (by land	use)				
Elementary school		Operation	al Eminaia	20 0	10 0	70.0

% of Trips - Commercial (by land use)
Elementary school Operational Emissions 20.0 10.0 70.0
Blank (Edit all 5 columns) Phase D, 2010 2.0 1.0 97.0

Page: 4

Government office building

10.0 5.0 85.0

Operational Emissions Phase D, 2010

Changes made to the default values for Area

The wood stove option switch changed from on to off. The fireplease option switch changed from on to off.

The area souce mitigation measure option switch changed from on to off. The natural gas residential percentage changed from 60 to 100. The landscape year changed from 2002 to 2010. Mitigation measure Central Water Heater: Cmrcl Space Heat. has been changed from off to on. Changes made to the default values for Operations The pass by trips option switch changed from on to off. The mitigation option switch changed from on to off. The light auto percentage changed from 61.4 to 62.2. The light truck < 3750 lbs percentage changed from 9.3 to 11. The light truck 3751-5750 percentage changed from 16.7 to 18. The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0. The med-heavy truck 14001-33000 percentage changed from 1.1 to 0. The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0. The motorcycle percentage changed from 1.4 to 0.5. The school bus percentage changed from 0.1 to 0. The motorhome percentage changed from 0.7 to 0. The operational emission year changed from 2002 to 2010. The operational winter temperature changed from 40 to 50. The operational summer temperature changed from 85 to 95. The operational summer selection item changed from 7 to 8. The double counting internal work trip limit changed from to 10.35. The double counting shopping trip limit changed from to 5.175. The double counting other trip limit changed from to 36.05. The travel mode environment settings changed from both to: none The default/nodefault travel setting changed from nodefault to: nodefault Side Walks/Paths: No Sidewalks changed to: Side Walks/Paths: Few Destinations Covered Street Trees Provide Shade: No Coverage changed to: Street Trees Provide Shade: Some Coverage Pedestrian Circulation Access: No Destinations changed to: Pedestrian Circulation Access: Few Destinations Visually Interesting Uses: No Uses Within Walking Distance changed to: Visually Interesting Uses: Some Uses within Walking Distance Street System Enhances Safety: No Streets changed to: Street System Enhances Safety: Few Streets Pedestrian Safety from Crime: No Degree of Safety changed to: Pedestrian Safety from Crime: Some Degree of Safety Visually Interesting Walking Routes: No Visual Interest changed to: Visually Interesting Walking Routes: Moderate Level Interconnected Bikeways: No Bikeway Coverage changed to: Interconnected Bikeways: Low Coverage Bike Routes Provide Paved Shoulders: No Routes changed to: Bike Routes Provide Paved Shoulders: Few Routes Safe Vehicle Speed Limits: No Routes Provided changed to: Safe Vehicle Speed Limits: Few Destinations

Operational Emissions

Phase D. 2010

changed to: Safe School Routes: One School

Safe School Routes: No Schools

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

SO2

0.00

DeWitt Phase D Operational

Project Name: Project Location:

Lower Sacramento Valley Air Basin

SUMMARY REPORT (Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES CO PM10 ROG NOx 0.00 0.26 0.11 TOTALS(lbs/day,unmitigated) 0.51

OPERATIONAL (VEHICLE) EMISSION ESTIMATES PM10 NOx CO ROG 0.94 TOTALS (ppd, unmitigated)

SO2 0.01 1.04 12.01 1.02

Operational Emissions

Phase D, 2020

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt Oper

DeWitt Phase D Operational

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	(Summer	Pounds per	Day, Unmi	tigated)	
Source	ROG	NOx	CO	PM10	SO2
Natural Gas	0.02	0.26	0.11	0.00	*
Wood Stoves - No summer emiss					
Fireplaces - No summer emissi	ons			Sections	1140 2021
Landscaping	0.13	0.02	1.10	0.00	0.00
Consumer Prdcts	0.49	-	22	-	
TOTALS(lbs/day.unmitigated)	0.63	0.28	1.21	0.00	0.00

Operational Emissions

Phase D, 2020

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	PM10	SO2
Condo/townhouse general	0.56	0.30	6.59	0.49	0.00
Elementary school	0.34	0.16	3.44	0.26	0.00
Blank (Edit all 5 columns	0.38	0.13	2.70	0.20	0.00
Government office building	0.19	0.04	0.92	0.07	0.00
TOTAL EMISSIONS (lbs/day)	1.48	0.64	13.64	1.02	0.01

Does not include correction for passby trips.

Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2020 Temperature (F): 95 Season: Summer

EMFAC Version: EMFAC2001 (10/2001)

Summary of Land Uses:

Unit Type	Trip Rate	Size	Total Trips
Condo/townhouse general	7.00 trips / dwelling units	10.00	70.00
Elementary school	5.25 trips / 1000 sq. ft.	8.00	42.00
Blank (Edit all 5 columns	3.00 trips / 1000 sq. ft.	12.50	37.50
Government office building	1.50 trips / 1000 sq. ft.	8.00	12.00

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	62.20	4.70	94.50	0.80
Light Truck < 3,750 lbs		11.00	88.90	0.10
Light Truck 3,751- 5,750		1.80	97.60	0.60
Med Truck 5,751-8,500		12.50	79.20	8.30
Lite-Heavy 8,501-10,000		18.20	72.70	9.10
Lite-Heavy 10,001-14,000	[1]	0.00	66.70	33.30
Med-Heavy 14,001-33,000		9.10	27.30	63.60
Heavy-Heavy 33,001-60,000		0.00	0.00	100.00
Line Haul > 60,000 lbs	N - 216 NATA	0.00	0.00	100.00
	0.00	0.00	0.00	100.00
Urban Bus	0.50	90.90	9.10	0.00
Motorcycle	0.00	0.00	0.00	100.00
School Bus Motor Home	0.00	0.00	100.00	0.00

Travel Conditions	Residential			Commercial	1
Urban Trip Length (miles) 9.7 Rural Trip Length (miles) 16.7 Trip Speeds (mph) 35.7 % of Trips - Residential 27.	Shop 7 3.8 3 7.1 3 35.0	Home- Other 4.6 7.9 35.0 51.5	7.8 14.7 35.0	Non-Work 4.5 6.6 35.0	Customer 4.5 6.6 35.0
% of Trips - Commercial (by 1. Elementary school Blank (Edit all 5 columns)	and use) Operational Phase L		20.0	10.0	70.0 97.0

Government office building

10.0 5.0

85.0

Operational Emissions Phase D, 2020

Changes made to the default values for Area The wood stove option switch changed from on to off. The fireplease option switch changed from on to off. The area souce mitigation measure option switch changed from on to off. The natural gas residential percentage changed from 60 to 100. The landscape year changed from 2002 to 2020. Mitigation measure Central Water Heater: Cmrcl Space Heat. has been changed from off to on. Changes made to the default values for Operations The pass by trips option switch changed from on to off. The mitigation option switch changed from on to off. The light auto percentage changed from 61.4 to 62.2. The light truck < 3750 lbs percentage changed from 9.3 to 11. The light truck 3751-5750 percentage changed from 16.7 to 18. The lite-heavy truck 10001-14000 percentage changed from 0.3 to 0. The med-heavy truck 14001-33000 percentage changed from 1.1 to 0. The heavy-heavy truck 33001-60000 percentage changed from 0.7 to 0. The motorcycle percentage changed from 1.4 to 0.5. The school bus percentage changed from 0.1 to 0. The motorhome percentage changed from 0.7 to 0. The operational emission year changed from 2002 to 2020. The operational winter temperature changed from 40 to 50. The operational summer temperature changed from 85 to 95. The operational summer selection item changed from 7 to 8. The double counting internal work trip limit changed from to 10.35. The double counting shopping trip limit changed from to 5.175. The double counting other trip limit changed from to 36.05. The travel mode environment settings changed from both to: none The default/nodefault travel setting changed from nodefault to: nodefault Side Walks/Paths: No Sidewalks changed to: Side Walks/Paths: Few Destinations Covered Street Trees Provide Shade: No Coverage changed to: Street Trees Provide Shade: Some Coverage Pedestrian Circulation Access: No Destinations changed to: Pedestrian Circulation Access: Few Destinations Visually Interesting Uses: No Uses Within Walking Distance changed to: Visually Interesting Uses: Some Uses within Walking Distance Street System Enhances Safety: No Streets changed to: Street System Enhances Safety: Few Streets Pedestrian Safety from Crime: No Degree of Safety changed to: Pedestrian Safety from Crime: Some Degree of Safety Visually Interesting Walking Routes: No Visual Interest changed to: Visually Interesting Walking Routes: Moderate Level Interconnected Bikeways: No Bikeway Coverage changed to: Interconnected Bikeways: Low Coverage

Operational Emissions

Phase D, 2020

changed to: Bike Routes Provide Paved Shoulders: Few Routes

changed to: Safe Vehicle Speed Limits: Few Destinations

Bike Routes Provide Paved Shoulders: No Routes

Safe Vehicle Speed Limits: No Routes Provided

changed to: Safe School Routes: One School

Safe School Routes: No Schools

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

Phase A Bldgs 2-5

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres Retail/Office/Institutional Square Footage: 0 Single Family Units: 0 Multi-family Units: 0

ROG	NOx	CO	PM1.0	SO2
	6	-	7.56	-
0.23	4.28		5.37	0.52
0.00	0.00	0.00	0.00	<u> </u>
0.17	0.14		0.01	0.00
0.00	0.00	54	0.00	0.00
3.84	55.76	-	3.72	4.72
0.00	5	56		-
0.00	-	=	85	7
4.24	60.18	0.00	16.65	5.24
S				
ROG	NOx	CO	PM10	SO2
	10 Mar 200	-	7.56	-
0.22	4.06	-	1.15	0.49
0.00	0.00	0.00	0.00	
0.17	0.14	32	0.01	0,00
0.00	0.00	124	0.00	0.00
3.65	52.97	-	3.53	4.48
0.00		-	=	
0.00				
4.04	57.17	0.00	12.25	4.98
	ROG - 0.23 0.00 0.17 0.00 3.84 0.00 0.00 4.24 CS ROG - 0.22 0.00 0.17 0.00 3.65 0.00 0.00	ROG NOX - 0.23 4.28 0.00 0.00 0.17 0.14 0.00 0.00 3.84 55.76 0.00 - 0.00 - 4.24 60.18 ROG NOX - 0.22 4.06 0.00 0.00 0.17 0.14 0.00 0.00 3.65 52.97 0.00 - 0.00 -	ROG NOX CO	ROG NOX CO PM10 7.56 0.23 4.28 - 5.37 0.00 0.00 0.00 0.00 0.17 0.14 - 0.01 0.00 0.00 - 0.00 3.84 55.76 - 3.72 0.00 0.00 4.24 60.18 0.00 16.65 ROG NOX CO PM10 7.56 0.22 4.06 - 1.15 0.00 0.00 0.00 0.00 0.17 0.14 - 0.01 0.00 0.00 0.00 3.65 52.97 - 3.53 0.00 0.00 0.00 0.00

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

CONSTRUCTION EMISSION ESTIMATES

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase A demolition of Buildings 2 - 5

Changes made to the default values for Construction

has been changed from off to on.

```
The asphalt option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2003.
The length of construction period changed from 250 to 90.
The demolition total width in total volume changed from to 50.
The demolition total length in total volume changed from to 1012.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 30.
The demolition total length in maximum daily volume changed from to 30.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 56.
The site grading max daily acreage estimate changed from to 0.5.
The site grading annual days earth moving changed from 250 to 90.
The site grading motor grader total vehicles changed from to 1.
The site grading motor grader hours/day changed from 8 to 6.
The worker construction year changed from 2002 to 2003.
The stationary equipment equipment units changed from 2 to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel tracked tractor total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
     has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
     has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
     has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
     has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
```

Construction Emissions

Phase A demolition of Buildings 2 - 5

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

Phase A WWTP demo

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres

Retail/Office/Institutional Square Footage: 0

Single Family Units: 0 Multi-family Units: 0

Source	ROG	NOx	CO	PM1.0	S02
Demolition	-	-	-	3.36	1.00
Site Grading	0.23	4.28		2.87	0.52
Const. Worker Trips	0.00	0.00	0.00	0.00	0.77
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip Gas	0.00	0.00	4	0.00	0.00
Mobile Equip Diesel	2.88	45.68	22	2.82	3.60
Architectural Coatings	0.00	-	₩.	100 4 5 C C C C C C C C C C C C C C C C C C	-
Asphalt Offgassing	0.00	-	(8)	2 1	-
TOTALS(lbs/day,unmitigated)	3.11	49.96	0.00	9.05	4.12
CONSTRUCTION EMISSION ESTIMATE	S				
CONSTRUCTION EMISSION ESTIMATE Source	S ROG	NOx	CO	PM10	S02
Source	378	NOx -	CO -	PM10 3,36	SO2
Source	378	NOx - 4.06	co		SO2 - 0.49
Source Demolition	ROG		CO - 0.00	3,36	1999
Source Demolition Site Grading	ROG 0.22	4.06	CO - 0.00	3,36 0.75	1999
Source Demolition Site Grading Const. Worker Trips	ROG - 0.22 0.00	4.06 0.00		3,36 0,75 0,00	0.49 -
Source Demolition Site Grading Const. Worker Trips Stationary Equip	ROG - 0.22 0.00 0.00	4.06 0.00 0.00		3.36 0.75 0.00 0.00	0.49
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG - 0.22 0.00 0.00 0.00	4.06 0.00 0.00 0.00		3.36 0.75 0.00 0.00 0.00	0.49 0.00 0.00
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas Mobile Equip Diesel	ROG - 0.22 0.00 0.00 0.00 2.74	4.06 0.00 0.00 0.00		3.36 0.75 0.00 0.00 0.00	0.49 0.00 0.00

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase A WWTP demolition

Changes made to the default values for Construction

has been changed from off to on.

```
The asphalt option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2003.
The length of construction period changed from 250 to 180.
The demolition total width in total volume changed from to 60.
The demolition total length in total volume changed from to 100.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 20.
The demolition total length in maximum daily volume changed from to 20.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 15.
The site grading max daily acreage estimate changed from to 0.25.
The site grading annual days earth moving changed from 250 to 30.
The site grading motor grader total vehicles changed from to 1.
The site grading motor grader hours/day changed from 8 to 6.
The worker construction year changed from 2002 to 2003.
The stationary equipment equipment units changed from 2 to 0.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
     has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
     has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
     has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
     has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
```

Construction Emissions

Phase A WWTP demolition

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

DeWitt Phase B

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 4 acres Retail/Office/Institutional Square Footage: 95000 Single Family Units: 0 Multi-family Units: 0

Source	ROG	NOx	CO	PM10	SO2
Demolition	-	**************************************	-	0.00	
Site Grading	5.11	60.18		13.01	6.23
Const. Worker Trips	0.19	0.28	0.52	0.05	=
Stationary Equip	1.01	0.82		0.05	0.01
Mobile Equip Gas	4.34	3.30	-	0.21	0.18
Mobile Equip Diesel	5.56	76.32	-	6.56	9.20
Architectural Coatings	0.00		72	-	2
Asphalt Offgassing	0.22				
TOTALS(lbs/day,unmitigated)	16.44	140.90	0.52	19.88	15.63
CONSTRUCTION EMISSION ESTIMAT	ES				
Source	ROG	NOx	CO	PM10	S02
	ROG	NOx	co -	PM10 0.00	SO2 -
Demolition	ROG - 4.86	NOx - 57.17	co -		SO2 - 5.92
Demolition Site Grading	7/2	70002	CO - - 0.52	0.00	5.92 -
Demolition Site Grading Const. Worker Trips	- 4.86	57.17		0.00 6.83	
Demolition Site Grading Const. Worker Trips Stationary Equip	4.86 0.19	57.17 0.28	0.52	0.00 6.83 0.05	5.92 0.01
Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	4.86 0.19 1.01	57.17 0.28 0.82	0.52	0.00 6.83 0.05 0.05	5.92 0.01
Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas Mobile Equip Diesel	4.86 0.19 1.01 4.34	57.17 0.28 0.82 3.30	0.52	0.00 6.83 0.05 0.05 0.21	5.92 0.01 0.18
Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	4.86 0.19 1.01 4.34 5.28	57.17 0.28 0.82 3.30	0.52	0.00 6.83 0.05 0.05 0.21	5.92 0.01 0.18

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day Percent Reduction(ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Changes made to the default values for Construction

has been changed from off to on.

```
The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2004.
The length of construction period changed from 250 to 365.
The site grading max daily acreage estimate changed from to 0.7.
The site grading annual days earth moving changed from 250 to 60.
The site grading scraper total vehicles changed from to 1.
The site grading wheeled tractor total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The site grading miscellaneous total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.25.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.25.
The worker construction year changed from 2002 to 2004.
The asphalt acres to be paved changed from 1 to 2.5.
The asphalt total days of paving changed from 10 to 30.
The stationary equipment equipment units changed from 2 to 6.
The mobile gas miscellaneous total vehicles changed from to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel tracked tractor total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel roller total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
     has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
     has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
     has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
     has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
```

Construction Emissions

File Name:

C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

Project Name:

Phase C 2004

Project Location:

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 4 acres

Retail/Office/Institutional Square Footage: 95000

Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMAT	ES				
Source	ROG	NOx	CO	PM10	SO2
Demolition	-2	=	2	0.00	-
Site Grading	2.47	36.42	12	11.77	4.37
Const. Worker Trips	0.19	0.28	0,52	0.05	200
Stationary Equip	1.01	0.82		0.05	0.01
Mobile Equip Gas	4.34	3.30	蓋	0.21	0.18
Mobile Equip Diesel	4.04	42.96	17	4.48	5.60
Architectural Coatings	0.00	3	177	150	
Asphalt Offgassing	0.00	3	32		_
TOTALS(lbs/day,unmitigated)	12.06	83,78	0.52	16.56	10.16
CONSTRUCTION EMISSION ESTIMAT	ES				
Source	ROG	NOx	CO	PM10	SO2
Demolition	= 1 0	5	-	0.00	
Site Grading	2.35	34.60	2	4.86	4.15
Const. Worker Trips	0.19	0.28	0.52	0.05	-
Stationary Equip	1.01	0.82		0.05	0.01
Mobile Equip Gas	4.34	3.30	-	0.21	0.18
Mobile Equip Diesel	3.84	40.81	-	4.26	5.32
Architectural Coatings	0.00		27	1.5	.71
Asphalt Offgassing	0.00		17	3(5)	7
TOTALS (lbs/day, mitigated)	11.73	79.81	0.52	9.42	9,67

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Changes made to the default values for Construction

has been changed from off to on.

has been changed from off to on.

The demolition option switch changed from on to off. The asphalt option switch changed from on to off. The architectural coating option switch changed from on to off. The construction year changed from 2002 to 2004. The length of construction period changed from 250 to 365. The site grading max daily acreage estimate changed from to 0.8. The site grading annual days earth moving changed from 250 to 60. The site grading scraper total vehicles changed from to 1. The site grading motor grader total vehicles changed from to The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.25. The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.25. The worker construction year changed from 2002 to 2004. The asphalt acres to be paved changed from 1 to 3.5. The asphalt total days of paving changed from 10 to 90. The stationary equipment equipment units changed from 2 to 6. The mobile gas miscellaneous total vehicles changed from to 1. The mobile diesel fork lift 175 HP total vehicles changed from to 1. The mobile diesel tracked tractor total vehicles changed from to 1. The mobile diesel wheeled dozer total vehicles changed from to 1. The mobile diesel roller total vehicles changed from to 1. The mobile diesel miscellaneous total vehicles changed from to 1. Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0 has been changed from off to on. Mitigation measure Properly Maintain Equipment: 5 has been changed from off to on. Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0 has been changed from off to on. Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0

Construction Emissions

Phase C 2004

Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

Phase C 2005

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 4 acres Retail/Office/Institutional Square Footage: 95000 Single Family Units: 0 Multi-family Units: 0

Source	ROG	NOx	CO	PM10	SO2
Demolition	: A		-	0.00	4
Site Grading	0.00	0.00	-	0.00	0.00
Const. Worker Trips	0.19	0.28	0.52	0.05	100
Stationary Equip	0.17	0.14	20000000000000000000000000000000000000	0.01	0.00
Mobile Equip, - Gas	0.00	0.00	300	0.00	0.00
Mobile Equip Diesel	6.67	93.38	6 5 8	7.00	9.35
Architectural Coatings	0.00		100	7.	-
Asphalt Offgassing	0.10	-	-	20	12
TOTALS (lbs/day, unmitigated)	7.14	93.80	0.52	7.06	9.35
Torresolant Camping 3					
	s				
CONSTRUCTION EMISSION ESTIMATE	S ROG	NOx	co	PM10	S02
CONSTRUCTION EMISSION ESTIMATE Source	ROG	NOx	co	PM10 0.00	SO2 -
CONSTRUCTION EMISSION ESTIMATE Source Demolition	ROG	NOx 0.00	co -	100 100 100 100 100 100 100 100 100 100	SO2 - 0.00
CONSTRUCTION EMISSION ESTIMATE Source Demolition Site Grading	ROG - 0.00		CO - - 0.52	0.00	
CONSTRUCTION EMISSION ESTIMATE Source Demolition Site Grading Const. Worker Trips	ROG 0.00 0.19	0.00	856 856	0.00	
CONSTRUCTION EMISSION ESTIMATE Source Demolition Site Grading Const. Worker Trips Stationary Equip	ROG 0.00 0.19 0.17	0.00	856 856	0.00 0.00 0.05	0.00
CONSTRUCTION EMISSION ESTIMATE Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG - 0.00 0.19 0.17 0.00	0.00 0.28 0.14 0.00	856 856	0.00 0.00 0.05 0.01	0.00
CONSTRUCTION EMISSION ESTIMATE Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas Mobile Equip Diesel	ROG 0.00 0.19 0.17 0.00 6.34	0.00 0.28 0.14	0.52	0.00 0.00 0.05 0.01 0.00	0.00
CONSTRUCTION EMISSION ESTIMATE Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG - 0.00 0.19 0.17 0.00	0.00 0.28 0.14 0.00	0.52	0.00 0.00 0.05 0.01 0.00	0.00

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

has been changed from off to on.

The demolition option switch changed from on to off. The site grading option switch changed from on to off. The architectural coating option switch changed from on to off. The construction year changed from 2002 to 2005. The length of construction period changed from 250 to 180. The site grading max daily acreage estimate changed from to 0.75. The site grading annual days earth moving changed from 250 to 45. The site grading scraper total vehicles changed from to 1. The site grading motor grader total vehicles changed from to 1. The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.25. The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.25. The worker construction year changed from 2002 to 2004. The asphalt acres to be paved changed from 1 to 3.5. The asphalt total days of paving changed from 10 to 90. The stationary equipment equipment units changed from 2 to 1. The mobile diesel truck: off hwy total vehicles changed from to 1. The mobile diesel tracked tractor total vehicles changed from to 2. The mobile diesel roller total vehicles changed from to 1. The mobile diesel motor grader total vehicles changed from to 1. The mobile diesel miscellaneous total vehicles changed from to 2. Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0 has been changed from off to on. Mitigation measure Properly Maintain Equipment: 5 has been changed from off to on. Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0 has been changed from off to on. Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0 has been changed from off to on. Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5

Construction Emissions

Phase C 2005

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

DeWitt Phase D 2004

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 1 acres Retail/Office/Institutional Square Footage: 16000 Single Family Units: 0 Multi-family Units: 10

Source	ROG	NOx	CO	PM10	SO2
Demolition		2	-	0.00	_
Site Grading	2.90	39.95	-	11.52	4.37
Const. Worker Trips	0.06	0.08	0.15	0.02	
Stationary Equip	0.17	0.14	(+)	0.01	0.00
Mobile Equip Gas	3.26	2.47	275	0.16	0.14
Mobile Equip Diesel	5.72	32.80	1993	5.62	1.33
Architectural Coatings	0.00		(20)	-	
Asphalt Offgassing	0.08	12	(2)	2	52
TOTALS(lbs/day,unmitigated)	12.18	75.44	0.15	17.31	5.84
CONSTRUCTION EMISSION ESTIMAT	ES				
.01101110011011	ES ROG	NOx	co	PM10	S02
Source		NOx	co -	PM10 0.00	S02 -
Source Demolition		NOx - 37.95	CO -		SO2 - 4.15
Source Demolition Site Grading	ROG - 2.75	:=	CO - - 0.15	0.00	-
Source Demolition Site Grading Const. Worker Trips	ROG - 2.75 0.06	37.95	-	0.00 5.02	-
Source Demolition Site Grading Const. Worker Trips Stationary Equip	ROG - 2.75 0.06 0.17	37.95 0.08	-	0.00 5.02 0.02	4.15
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG 2.75 0.06 0.17 3.26	37.95 0.08 0.14	0.15	0.00 5.02 0.02 0.01	4.15 - 0.00
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas Mobile Equip Diesel	ROG - 2.75 0.06 0.17	37.95 0.08 0.14 2.47	0.15	0.00 5.02 0.02 0.01 0.16	4.15 0.00 0.14
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG 2.75 0.06 0.17 3.26 5.43	37.95 0.08 0.14 2.47	0.15	0.00 5.02 0.02 0.01 0.16	4.15 0.00 0.14

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction(ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

```
The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2004.
The length of construction period changed from 250 to 180.
The site grading max daily acreage estimate changed from to 0.75.
The site grading annual days earth moving changed from 250 to 40.
The site grading fork lift 50 HP total vehicles changed from to 1.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.2.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.2.
The worker construction year changed from 2002 to 2004.
The asphalt acres to be paved changed from 1 to 0.75.
The asphalt total days of paving changed from 10 to 25.
The stationary equipment equipment units changed from 2 to 1.
The mobile gas miscellaneous total vehicles changed from to 1.
The mobile gas miscellaneous hours/day changed from 8 to 6.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel tracked loader total vehicles changed from to 1.
The mobile diesel scraper total vehicles changed from to 1.
The mobile diesel wheeled tractor total vehicles changed from to 1.
The mobile diesel miscellaneous hours/day changed from 8 to 6.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
     has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
     has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
     has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
     has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
     has been changed from off to on.
```

Construction Emissions

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

DeWitt Phase D 2005

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 1 acres Retail/Office/Institutional Square Footage: 16000 Single Family Units: 0 Multi-family Units: 10

CONSTRUCTION EMISSION ESTIMAT	ES				
Source	ROG	NOx	CO	PM10	SO2
Demolition	-	_	=	0.00	-
Site Grading	2.47	36.42	2	6.27	4.37
Const. Worker Trips	0.06	0.08	0.15	0.02	
Stationary Equip	0.50	0.41	V0000000	0.02	0.01
Mobile Equip Gas	3.26	2.47	85	0.16	0.14
Mobile Equip Diesel	6,92	46.40	-	8.06	5.27
Architectural Coatings	0.00	77.	-	-	7
Asphalt Offgassing	0.09	2	-		2
TOTALS(lbs/day,unmitigated)	13.30	85,79	0.15	14.52	9.78
CONSTRUCTION EMISSION ESTIMAT	ES				
Source	ROG	NOx	CO	PM10	S02
Demolition	92 4 3	-	278	0.00	7
Site Grading	2.35	34.60	:5%	3.98	4.15
Const. Worker Trips	0.06	0.08	0.15	0.02	-
Stationary Equip	0.50	0.41	-	0.02	0.01
Mobile Equip Gas	3.26	2.47	-	0.16	0.14
Mobile Equip Diesel	6.57	44.08	-	7.65	5.01
Architectural Coatings	0.00	-	5 7 2	5	100
Asphalt Offgassing	0.09	*	878		- 3
TOTALS (lbs/day, mitigated)	12.83	81.64	0.15	11.83	9.30

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 75% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

```
Changes made to the default values for Construction
```

has been changed from off to on.

```
The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off,
The construction year changed from 2002 to 2005.
The length of construction period changed from 250 to 300.
The site grading max daily acreage estimate changed from to 0.25.
The site grading annual days earth moving changed from 250 to 20.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker commercial/retail trips per 1000 s.f. changed from 0.32 to 0.2.
The worker office/industrial trips per 1000 s.f. changed from 0.42 to 0.2.
The worker construction year changed from 2002 to 2005.
The asphalt acres to be paved changed from 1 to 0.5.
The asphalt total days of paving changed from 10 to 15.
The stationary equipment equipment units changed from 2 to 3.
The mobile gas miscellaneous total vehicles changed from to 1.
The mobile gas miscellaneous hours/day changed from 8 to 6.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel tracked loader total vehicles changed from to 1.
The mobile diesel scraper total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel wheeled tractor total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
     has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
     has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 3x Per Day:0
     has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
     has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
```

Construction Emissions

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

DeWitt Phase F Demolition

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres Retail/Office/Institutional Square Footage: 0 Single Family Units: 0 Multi-family Units: 0

Source	ROG	NOx	CO	PM10	SO2
Demolition	0.750	-	-	2.72	_
Site Grading	1.20	13.60	- 2	3.62	1.14
Const. Worker Trips	0.00	0.00	0.00	0.00	
Stationary Equip	0.17	0.14	10 (P 10)(P 10)(P 10)(P 10)(P 10 (P 10 (P 10 (P 10 (P 10 (P 10 (P	0.01	0.00
Mobile Equip Gas	0.00	0.00	26	0.00	0.00
Mobile Equip Diesel	5.28	72.88	-	6.38	8.69
Architectural Coatings	0.00	-	97	-	-
Asphalt Offgassing	0.00	2	121	-	2
TOTALS(lbs/day,unmitigated)	6.65	86.62	0.00	12.73	9,83
CONSTRUCTION EMISSION ESTIMATE	S				
CONSTRUCTION EMISSION ESTIMATE Source	S ROG	NOx	CO	PM10	S02
	(3.6) backton	NOx	CO	PM10 2.72	П
Source	(3.6) backton	NOx - 12.92	co - -		SO2
Source Demolition Site Grading	ROG -		CO - - 0.00	2.72	П
Source Demolition Site Grading Const. Worker Trips	ROG - 1.14	12.92	578 370	2.72 1.80	П
Source Demolition Site Grading Const. Worker Trips Stationary Equip	ROG - 1.14 0.00	12.92 0.00	578 370	2.72 1.80 0.00	1.09
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG - 1.14 0.00 0.17	12.92 0.00 0.14	0.00	2.72 1.80 0.00 0.01	1.09
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas Mobile Equip Diesel	ROG - 1.14 0.00 0.17 0.00	12.92 0.00 0.14 0.00	0.00	2.72 1.80 0.00 0.01 0.00	1.09 0.00 0.00
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG 1.14 0.00 0.17 0.00 5.02	12.92 0.00 0.14 0.00	0.00	2.72 1.80 0.00 0.01 0.00	1.09 0.00 0.00

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase F Demolition

has been changed from off to on.

The asphalt option switch changed from on to off. The architectural coating option switch changed from on to off. The construction year changed from 2002 to 2006. The length of construction period changed from 250 to 175. The demolition total width in total volume changed from to 50. The demolition total length in total volume changed from to 1060. The demolition total height in total volume changed from to 20. The demolition total width in maximum daily volume changed from to 18. The demolition total length in maximum daily volume changed from to 18. The demolition total height in maximum daily volume changed from to 20. The demolition days required changed from 10 to 164. The site grading max daily acreage estimate changed from to 0.25. The site grading annual days earth moving changed from 250 to 10. The site grading miscellaneous total vehicles changed from to 1. The worker construction year changed from 2002 to 2006. The stationary equipment equipment units changed from 2 to 1. The mobile diesel fork lift 175 HP total vehicles changed from to 1. The mobile diesel truck: off hwy total vehicles changed from to 1. The mobile diesel wheeled dozer total vehicles changed from to 1. The mobile diesel miscellaneous total vehicles changed from to 2. Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0 has been changed from off to on. Mitigation measure Properly Maintain Equipment: 5 has been changed from off to on. Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0 has been changed from off to on. Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0 has been changed from off to on. Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5

Construction Emissions

Phase F Demolition

File Name: Project Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

DeWitt Phase F Paving

Project Location:

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres Retail/Office/Institutional Square Footage: 0

Single Family Units: 0 Multi-family Units: 0

Source	ROG	NOx	CO	PM10	S02
Demolition	N=N	50	-	0.00	-
Site Grading	3.67	50.02	2	9.89	5.51
Const. Worker Trips	0.00	0,00	0.00	0.00	=
Stationary Equip	0.17	0.14	10000000	0.01	0.00
Mobile Equip Gas	4.72	2.90	#	0.21	0.15
Mobile Equip Diesel	4.00	36.08	35	2.98	1.86
Architectural Coatings	0.00	ē.	10	1.0	
Asphalt Offgassing	0.16	-	-	-	2
TOTALS(lbs/day,unmitigated)	12.72	89.14	0.00	13.09	7.53
CONSTRUCTION EMISSION ESTIMAT	pe.				
	E O				
Source	ROG	NOx	CO	PM10	S02
THE REPORT OF THE PERSON HAVE BEEN AND THE PERSON OF THE		NOx	CO	PM10 0.00	SO2
Source Demolition		NOx - 47.52	.e.		SO2 - 5.24
Source Demolition Site Grading	ROG	(800) VOIS		0.00	-
Source Demolition Site Grading Const. Worker Trips	ROG - 3.49	47.52	.e.	0.00 6.12	-
Source Demolition Site Grading Const. Worker Trips Stationary Equip	ROG - 3.49 0.00	47.52 0.00	.e.	0.00 6.12 0.00	5.24
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas	ROG - 3.49 0.00 0.17	47.52 0.00 0.14	.e.	0.00 6.12 0.00 0.01	5.24 0.00
Source Demolition Site Grading Const. Worker Trips Stationary Equip	ROG 3.49 0.00 0.17 4.72	47.52 0.00 0.14 2.90	.e.	0.00 5.12 0.00 0.01 0.21	5.24 0.00 0.15
Source Demolition Site Grading Const. Worker Trips Stationary Equip Mobile Equip Gas Mobile Equip Diesel	ROG 3.49 0.00 0.17 4.72 3.80	47.52 0.00 0.14 2.90	.e.	0.00 5.12 0.00 0.01 0.21	5.24 0.00 0.15

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase F Paving

has been changed from off to on.

```
The demolition option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2007.
The length of construction period changed from 250 to 168.
The site grading max daily acreage estimate changed from to 0.5.
The site grading annual days earth moving changed from 250 to 45.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The site grading miscellaneous total vehicles changed from to 1.
The worker construction year changed from 2002 to 2007.
The asphalt acres to be paved changed from 1 to 1.5.
The asphalt total days of paving changed from 10 to 25.
The stationary equipment equipment units changed from 2 to 1.
The mobile gas roller total vehicles changed from to 1.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel wheeled tractor total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 1.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
     has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
     has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0
     has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
     has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
```

Construction Emissions

Phase F Paving

File Name: Project Name: Project Location: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

DeWitt Phase H

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres Retail/Office/Institutional Square Footage: 0 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMATE	S				
Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	12	4.20	-
Site Grading	2.47	36.42	14	8.77	4.37
Const. Worker Trips	0.00	0.00	0.00	0.00	name and
Stationary Equip	0.00	0.00	0408023 5	0.00	0.00
Mobile Equip Gas	0.00	0.00	÷	0.00	0.00
Mobile Equip Diesel	5.80	79.84	3	6.78	9.22
Architectural Coatings	0.00	8	-	-	-
Asphalt Offgassing	0.00	25	-	_	_
TOTALS(lbs/day,unmitigated)	8.27	116.26	0.00	19.75	13.59
CONSTRUCTION EMISSION ESTIMATE	S				
Source	ROG	NOx	CO	PM10	SO2
Demolition	*			4.20	7
Site Grading	2.35	34.60	-	5.05	4.15
Const. Worker Trips	0.00	0.00	0.00	0.00	=
Stationary Equip	0.00	0.00	-	0.00	0.00
Mobile Equip Gas	0.00	0.00	-	0.00	0.00
Mobile Equip Diesel	5.51	75.85	-	6.44	8.76
Architectural Coatings	0.00	0.00	250	-	170
Asphalt Offgassing	0.00		3.00 m	7.5	- 17
TOTALS (lbs/day, mitigated)	7.86	110.45	0.00	15.70	12.91

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase H

has been changed from off to on.

```
The asphalt option switch changed from on to off.
The stationary equipment option switch changed from on to off.
The architectural coating option switch changed from on to off.
The construction year changed from 2002 to 2006.
The length of construction period changed from 250 to 90.
The demolition total width in total volume changed from to 50.
The demolition total length in total volume changed from to 458.
The demolition total height in total volume changed from to 20.
The demolition total width in maximum daily volume changed from to 25.
The demolition total length in maximum daily volume changed from to 20.
The demolition total height in maximum daily volume changed from to 20.
The demolition days required changed from 10 to 46.
The site grading max daily acreage estimate changed from to 0.5.
The site grading annual days earth moving changed from 250 to 15.
The site grading scraper total vehicles changed from to 1.
The site grading motor grader total vehicles changed from to 1.
The worker construction year changed from 2002 to 2006.
The mobile diesel fork lift 175 HP total vehicles changed from to 1.
The mobile diesel truck: off hwy total vehicles changed from to 1.
The mobile diesel wheeled dozer total vehicles changed from to 1.
The mobile diesel roller total vehicles changed from to 1.
The mobile diesel miscellaneous total vehicles changed from to 2.
Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0
     has been changed from off to on.
Mitigation measure Properly Maintain Equipment: 5
     has been changed from off to on.
Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0
     has been changed from off to on.
Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0
     has been changed from off to on.
Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5
```

Construction Emissions

Phase H

File Name: Project Name: C:\Program Files\URBEMIS 2001 For Windows\Projects2k\DeWitt EIR\

DeWitt Phase J

Project Location:

Lower Sacramento Valley Air Basin

DETAIL REPORT (Pounds/Day - Summer)

Total Land Use Area to be Developed (Estimated): 0 acres Retail/Office/Institutional Square Footage: 0 Single Family Units: 0 Multi-family Units: 0

CONSTRUCTION EMISSION ESTIMAT	ES				
Source	ROG	NOx	co	PM10	SO2
Demolition	-	=		5.25	
Site Grading	2.47	36.42	12	8.77	4.37
Const. Worker Trips	0.00	0.00	0.00	0.00	
Stationary Equip	0.00	0.00		0.00	0.00
Mobile Equip Gas	0.00	0.00	9	0.00	0.00
Mobile Equip Diesel	7.96	83.52		10.06	9.22
Architectural Coatings	0.00	-	100	1.75	-
Asphalt Offgassing	0.00	75	-	122	
TOTALS(lbs/day,unmitigated)	10.43	119.94	0.00	24.08	13.59
CONSTRUCTION EMISSION ESTIMAT	ES				
Source	ROG	NOx	CO	PM10	SO2
Demolition	-	-	-	5.25	100
Site Grading	2.35	34.60	-	5.05	4.15
Const. Worker Trips	0.00	0.00	0.00	0.00	-
Stationary Equip	0.00	0.00		0.00	0.00
Mobile Equip Gas	0.00	0.00	-	0.00	0.00
Mobile Equip Diesel	7.56	79.34	-	9.56	8.76
Architectural Coatings	0.00		- 44	-	
Asphalt Offgassing	0.00	*	-	=	100
TOTALS (lbs/day, mitigated)					

Construction-Related Mitigation Measures

Soil Erosion Measures: Water Exposed Surfaces 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 68% SO2 0%)

Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 3% SO2 0%)

Reduce Speeds on Unpaved Roads to 15 mph or less

Percent Reduction (ROG 0% NOx 0% CO 0% PM10 70% SO2 0%)

Mobile Equipment: Properly Maintain Equipment

Percent Reduction (ROG 5% NOx 5% CO 5% PM10 5% SO2 5%)

Construction Emissions

Phase J

The asphalt option switch changed from on to off.

has been changed from off to on.

The stationary equipment option switch changed from on to off. The architectural coating option switch changed from on to off. The construction year changed from 2002 to 2008. The length of construction period changed from 250 to 90. The demolition total width in total volume changed from to 50. The demolition total length in total volume changed from to 1010. The demolition total height in total volume changed from to 20. The demolition total width in maximum daily volume changed from to 25. The demolition total length in maximum daily volume changed from to 25. The demolition total height in maximum daily volume changed from to 20. The demolition days required changed from 10 to 81. The site grading max daily acreage estimate changed from to 0.5. The site grading annual days earth moving changed from 250 to 15. The site grading scraper total vehicles changed from to 1. The site grading motor grader total vehicles changed from to 1. The worker construction year changed from 2002 to 2008. The mobile diesel fork lift 175 HP total vehicles changed from to 1. The mobile diesel truck: off hwy total vehicles changed from to 1. The mobile diesel scraper total vehicles changed from to 1. The mobile diesel wheeled dozer total vehicles changed from to 1. The mobile diesel roller total vehicles changed from to 1. The mobile diesel miscellaneous total vehicles changed from to 2. Mitigation measure Soil Erosion Measures: Water Exposed Surfaces 2x Per Day:0 has been changed from off to on. Mitigation measure Properly Maintain Equipment: 5 has been changed from off to on. Mitigation measure Implement Water/Paved Road Measures: Water All Haul Roads 2x Per Day:0 has been changed from off to on. Mitigation measure Reduce Speeds on Unpaved Roads to 15 mph or less: 0 has been changed from off to on. Mitigation measure Mobile Equipment: Properly Maintain Equipment: 5

Construction Emissions

Phase J